

MARCH
1992

PAARA PICNIC QST!
MARK THE DATE &
THE PLACE!
SATURDAY MAY 23
AT RON W6VG &
HELGA'S QTH, MENLO
PARK. PLAN NOW!



1992 CLUB OFFICERS

President	Gerald Tucker	WA6LNV	415-326-4908
Vice-President	Andy Korsak	VE3FZK	415-366-5228
Secretary	John Gomperts	WB7TEM	408-879-0541
Treasurer	Lily Anne Hillis	N6PGM	415-325-5484
Trustee, W6QTX	Fred Canham	K6YT	415-948-9238
Property/Badges	Fred Canham	K6YT	415-948-9238
Refresh/Co-Prop	John Buonocore	KD6ZL	415-366-1658
ARES Officer	Lily Anne Hillis	N6PGM	415-325-5484
Club Historian

BOARD OF DIRECTORS

Ken Manders	WB6CNI	1991-92	415-366-7814
Gerry Wagstaffe	W6NIR	1991-92	415-325-4670
Bill McElhinney	KA6LZI	1991-92	415-325-9888
John Buonocore	KD6ZL	1991-92	415-366-1658
Dusty Doster	K6MPN	1992-93	415-368-8156
Bill Lane	KJ6TF	1992-93	415-856-0154
Chuck Johnson	N6VFH	1992-93	408-251-8536

PAARAgraphs Staff

Editor	Chuck Johnson	N6VFH	408-251-8536
Mailing	Bill McElhinney	KA6LZI	415-325-9888

PAARA POLICIES

Membership in PAARA is \$6.00 per calendar year which includes a subscription to PAARAgraphs. Make payment to the Palo Alto Amateur Radio Association, P.O. Box 911, Menlo Park, CA 94026

Club Net 147.45 MHz Mondays 8:30 PM

Meet at 7:30 PM on the first Friday of each month at the Menlo Park Recreation Center.

Send PAARAgraphs correspondence to:

Chuck Johnson N6VFH, EDITOR
 1309 Mt. Logan Drive
 San Jose, CA 95127

VOLUME 35

MARCH 1992

FROM THE EDITOR'S DESK

TWO FLASHES:

1. AS THE COVER ANNOUNCES, IT'S TIME TO START THINKING ABOUT THE PAARA PICNIC AT THE W6VG COMPOUND IN MENLO PARK. IT IS THE GREAT HALFTIME PARTY OF THE PAARA YEAR WHERE WE ALL GET A CHANCE TO SEE AND BE SEEN! JOIN IN THE FUN AND FRIENDSHIP SATURDAY, MAY 23! FURTHER DETAILS TO COME ALONG WITH A CALENDAR OF '92 EVENTS.... 2. IT'S TIME TO MAKE PLANS TO HELP OUT WITH PAARA'S FOOTHILL FLEA MARKET DATE THE 2ND SATURDAY IN APRIL.... SIGN UP AT THE MEETING AND BE A PART OF THE HAMFEST ACTION! TIL NEXT MONTH, 73 DE YOUR EDITOR.

SPEAKER OF THE MONTH DAVE LARSEN N6JLH

ON THE RUSSIAN SATELLITE MIR
AND ALL THE ACTIVITIES PERTAINING
TO IT. >>MEETING FRIDAY MARCH 6TH<<
DINNER WITH SPEAKER:

蘇
杭
小
館

Su Hong
Restaurant

EL CAMINO OFF RAVENSWOOD, MENLO
PARK, 5:45 PM ON MEEETING FRIDAY
~~DATE~~ CUTHERE.....

-DE ANDY VE3FZK, PAARA PROGRAM CHAIRMAN-

PRESIDENT'S CORNER DE GERRY WA6LNV

One of the suggestions at last-month's meeting was to have a technical session on some of the latest handhelds. These devices are increasing in complexity at a terrific rate and now seem to defy a mere mortal's ability to remember what all the pushbuttons are for. It seems impossible to borrow someone else's handheld and to intuitively turn it on, much less select a frequency. As some of you know, I recently purchased a new ICOM IC2SRA after a 3-month's absence of my 2AT, and it certainly fits the above description. As Murphy would have it, I found my misplaced 2AT about 2 weeks after breaking the bank for the 2SRA. Speaking of purchasing things, the club is the proud owner of a new satellite antenna system through the cooperation of AA6PA. I found out the last couple of years that working the satellite at Field Day can be a challenge and therefore a rewarding project. The contacts are so tough I think they ought to give 20 points or so per Q just to encourage people to understand the technology. This year I think we want to get some teams arrigned to the Field Day effort and encourage them to get organized at least a month in advance.... I'm interested in including some technical tidbits in PARAGRAPHS. Lots of you are doing interesting things. You just don't realize that others are anxious to hear about it. If you have something submit it to Chuck N6VFH or myself and we'll try to get it in. If you have a short but good article somewhere send me a copy. It's easy to get permission to reprint and frequently not even necessary. Always let us know however if an article has been borrowed so we can provide the courtesy of a credit..... I won't see you at the next meeting due to travel but I will be at the March Flea Market.

DE WA6LNV

PAARA V.E. TEAM QST DE J.T. WA6BXT



Report from the PAARA V.E. team:

The rain did not deter hams and would-be hams from attending the February V.E. session. Thirty-one people took a total of 59 elements, from novice through extra.

The tests are given on the 3rd Saturday of each month at the Ampex Cafeteria in Redwood City. The March session will be on March 21. at 11 a.m.

The PAARA V.E. team members who worked in Feb. were; Dudley, WB6WAU (team leader); Ron, W6VG; Bill, WB6UVO; Dusty, K6MPN; Joan, WA6BXT; Joe, KB6OWG; and Dave, KB6HLR. If you care to join the PAARA V.E. team, contact Dudley at (408) 245-4801.

WELCOME!

ON BEHALF OF THE ENTIRE CLUB I'D LIKE TO WELCOME

BILL GONZALES KC6WAU

DALE O'HARA KM6BB

S P E C I A L

ICOM MONTH

PRESENTED BY

Ham Radio Outlet

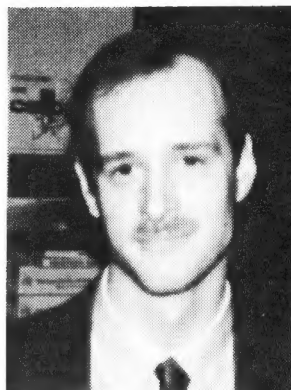
Saturday Feb. 1

10:00 AM to 5:30 PM

Sunnyvale, CA (408) 736-9496
(800) 854-6046

ICOM

ICOM



KAREN KA7VMP



1 DAY AT HRO !

ICOM DAY
2/1/92
HRO SUNNYVALE

CHRIS KG7OF



On hand to spread ICOM pride and answer your technical/product questions were CHRIS WILKEN KG7OF (ICOM National Sales Specialist Amateur Division) and KAREN DIXON KA7VMP (ICOM Southwest Regional Manager). TOM KB6LUC (HRO Sunnyvale Manager) is shown with his sales staff taking care of customers. A good crowd showed up and was able to partake of ICOM bargains, coffee and cookies, and the ham radio comraderie of the occasion. A nice job by both ICOM and HRO! -ED.

TOM KB6LUC, ET AL



A slice of the ICOM DAY crowd

PHOTOS DE CHUCK N6VFH

PAARA Member Scores (Big?) in ARRL VHF Sweepstakes



It's two weekends after the end of the ARRL VHF Sweepstakes, and I'm sitting at home looking at my score, and feeling satisfied with it and the whole experience of being in the contest.

I was able to arrange to be off work from Friday afternoon through Sunday, and I loaded the truck full of gear and food, sleeping bag, etc. early Friday AM and after work. Unfortunately, none of my friends could come with me, so it had to be a solo effort. I finally was ready to roll at about 4:30 PM, and inched my way through the construction mess on Hwy 101 and on down to Hollister, where I had dinner at Eddie's, on the south side of town. The rest of the trip through Paicines and the Panoche Valley to New Idria had much less traffic, and went fairly quickly. At New Idria, a mercury mining ghost town, the pavement ends, and you are confronted with a large yellow caution sign - "WARNING - IMPASSIBLE IN WET WEATHER". It's time to get in 4WD low range, and go up the steep switchbacks through the narrows to the upper part of the canyon. The road tread, such as it is, is rutted and washboardy. Around the narrows, it was quite slick with mud. Climbing up above the Clear Creek road junction, I started to encounter patches of snow at about the 4000' level. The road became slicker and more rutted. It took a bit of skill in two spots to stay on the track. Finally I arrived at the junction of the last 1/4 mile up to the top of San Benito Mountain. I had to claw my way through the mud and snow, with a steep dropoff on one side of the track waiting to be the consequence for any carelessness. But I prevailed, and arrived at my favorite flat, just below the summit a little after 8 PM. I was perfectly happy to pull the antenna gear out of the camper shell and crawl in for some well deserved sleep.

Friday evening had been a bit windy, and I'd had some misgivings about putting the antennas up, especially the 6m. 5 el. Yagi, since I was alone. But Saturday AM was placid, with only some thin, high cirrus in the sky. I was able to put all 3 bands worth of antennas up with 15 minutes to spare before the 11 AM contest starting time. As usual, the contest pace was fast for the first two hours or so, but slacked off enough to allow some short ragchews in the afternoon. There was no F layer opening on 6 meters, but a fair number of my contacts were on that band with "locals", including my only YL contact, with Diana, KB6NAN, near Pescadero. The WA6LET gang at SRI was on, and I think they were using one of the "small" SRI dishes for their antenna. Saturday eve, I put Mike Stahl, K6MYC in my log. Oldtime SRIers may remember Mike's work on the feeds for the big dish in the early '70s, and of course, he's now the proprietor of M2 Antennas. It was cold enough at 8 PM Saturday that, despite red polypro long Johns, I gave up fiddling with radio knobs and calling CQ in the dark to turn in to the sack.

Sunday AM allowed me to work into the Los Angeles basin in grid square DM03, as well as up to Red Bluff. But even as the QSOs and the points kept rolling in, I was apprehensive about tearing down the antennas and making it down that "road", so I skipped out on the last 6 hours of the contest, and started tearing down and packing up at 2 PM. The antennas proved to be no problem, but that road was as treacherous as before, and took all my concentration to safely return to New Idria. I was glad to be back on the pavement. The truck looked as if it'd been through a war, plastered with mud. The rest of the trip **home** was uneventful.

So what did I get for my effort? In terms of points, 3745. That compares with the 3850 points that Jerry, K6KOP and I had made from the same location last September in the VHF QSO Party, even though I only made 3/4 as many contacts this time. Having 3 bands instead of two helped. More than the score, though, was the satisfaction of having contacted old friends and new ones from a beautiful spot in the great California outdoors, with antennas I'd put up solo. What was missing? YOU, dear reader! I'd be delighted to have as many of you as can come, to share the beauty of the place and the fun of operating there. Your chance will come in June - no mud slicked roads then, but mild temperatures and long days. See you on San Benito then!

73, Bill Remud AA6PA

— 11 STORE BUYING POWER —



HAM RADIO OUTLET

WORLDWIDE DISTRIBUTION

SUNNYVALE, CA 94086
510 Lawrence Expwy. #102
(408) 736-9496
(800) 854-6046

OAKLAND, CA 94606
2210 Livingston St.
(510) 534-5757
(800) 854-6046

Phone Hours: 9:30 AM to 5:30 PM
Store Walk-In Hours:
10:00 AM to 5:30 PM Closed Sundays

NEW ADDRESS

ALBANY, NY 12201
933 N. Euclid St.
(518) 533-7313
(800) 854-6046
Jim Rafferty, MGR. & VP
New Development

NEW ADDRESS

BALTIMORE, MD 21201
7210 Livingston St.
(301) 534-5757
(800) 854-6046
Rick Winkler, MGR.
1000 of 2nd Ave. - Long

NEW ADDRESS

BIRMINGHAM, AL 35203
5375 Keating Villa Rd.
(205) 580-0900
(800) 854-6046
Tom Hays, MGR.
Columbus Hwy.

NEW ADDRESS

SUNNYVALE, CA 94086
510 Lawrence Expwy. #102
(408) 736-9496
(800) 854-6046
Tom Hays, MGR.
50 South Hwy. 101

NEW ADDRESS

WASH. DC 20011
8765 Sappington Blvd.
(818) 900-7212
(800) 854-6046
Jim Rafferty, MGR.
San Diego Hwy.
at 10th St.

NEW ADDRESS

WASH. DC 20011
8765 Sappington Blvd.
(818) 900-7212
(800) 854-6046
Jim Rafferty, MGR.
San Diego Hwy.
at 10th St.

NEW ADDRESS

WASH. DC 20011
8765 Sappington Blvd.
(818) 900-7212
(800) 854-6046
Jim Rafferty, MGR.
San Diego Hwy.
at 10th St.

NEW ADDRESS

WASH. DC 20011
8765 Sappington Blvd.
(818) 900-7212
(800) 854-6046
Jim Rafferty, MGR.
San Diego Hwy.
at 10th St.

NEW ADDRESS

WASH. DC 20011
8765 Sappington Blvd.
(818) 900-7212
(800) 854-6046
Jim Rafferty, MGR.
San Diego Hwy.
at 10th St.

NEW ADDRESS

WASH. DC 20011
8765 Sappington Blvd.
(818) 900-7212
(800) 854-6046
Jim Rafferty, MGR.
San Diego Hwy.
at 10th St.

NEW ADDRESS

PORTLAND, OR 97229
11705 S.W. Pacific Hwy.
(503) 508-9555
(800) 854-6046
Earl Hays, MGR.
Tigard Hwy. and
Hays Hwy. S.E. 217

NEW ADDRESS

PORTLAND, OR 97229
11705 S.W. Pacific Hwy.
(503) 508-9555
(800) 854-6046
Earl Hays, MGR.
Tigard Hwy. and
Hays Hwy. S.E. 217

NEW ADDRESS

PHOENIX, AZ 85015
1702 W. Camelback Rd.
(602) 742-3515
(800) 854-6046
Bryce Hays, MGR.
East of Highway 11

NEW ADDRESS

ATLANTA, GA 30340
9071 Buford Highway
(404) 263-0700
(800) 854-6046
Mark Hays, MGR.
Doraville 1 mi.
W of I-285

NEW ADDRESS

WOODBRIDGE, VA 22191
14803 South America Dr.
(703) 643-1063
(800) 854-6046
Curtis Hays, MGR.
I-495 & I-95 South to 100 E

NEW ADDRESS

WASH. DC 20011
8765 Sappington Blvd.
(818) 900-7212
(800) 854-6046
Jim Rafferty, MGR.
San Diego Hwy.
at 10th St.

NEW ADDRESS

WASH. DC 20011
8765 Sappington Blvd.
(818) 900-7212
(800) 854-6046
Jim Rafferty, MGR.
San Diego Hwy.
at 10th St.

NEW ADDRESS

WASH. DC 20011
8765 Sappington Blvd.
(818) 900-7212
(800) 854-6046
Jim Rafferty, MGR.
San Diego Hwy.
at 10th St.

NEW ADDRESS

WASH. DC 20011
8765 Sappington Blvd.
(818) 900-7212
(800) 854-6046
Jim Rafferty, MGR.
San Diego Hwy.
at 10th St.

NEW ADDRESS

WASH. DC 20011
8765 Sappington Blvd.
(818) 900-7212
(800) 854-6046
Jim Rafferty, MGR.
San Diego Hwy.
at 10th St.

ALINCO

DJ-160T



2 Meter Deluxe HT
20 Mem Channels
5W Optional Battery
Encode Built-in
DTMF Auto-Dialer
Built-in DSO
(DTMF) Paging
REG. 369.00
SALE \$249.95

ALINCO

DR-110T



2M Mobile

**GREAT FOR
PACKET**

2M FM Transceiver • Great Performance
45 Watts • CAP • MARS Modifiable
REG. \$519.00 **SALE \$299.95**

YAESU

HANDHELDS



FT-26/FT-76
2 Mtr. 440 MHz
2w std.; 5w optional
Direct DC Input
Built-in VDX.53 Mem
DTMF paging
Selectable power levels

FT-411
2M HT
Standard 25W; 49 Mem
2m/140 to 174 MHz
EXTENDED RECEIVE

YAESU

FT-990



100W HF Gen Cov Transceiver
DDS, QSK • 500Hz CW Filter included
CALL FOR LOW PRICE

KENWOOD

TS-850

HF Transceiver



Advanced Technology Performance
108 db Dynamic Range, Optional DSP
CALL FOR LOW PRICE

KENWOOD

HANDHELDS



Super
Compact HT
700 MAH Battery
TH-27A
RX 118-165 MHz
2 MTR/2.5 W DTSS
TH-47A
440/1.5 W DTSS
41 Memories

TH-225A
2 MTRS/5W
TH-315A
220MHz/2.5 W

**CALL
FOR
GREAT
PRICES**

ICOM

HANDHELDS



IC-2GAT
2 Meter HT • 7 Watt
IC-4GAT
440 MHz • 5 Watt
IC-W2A
Deluxe Duo-Band
Wide RX Band HT
IC-2SAT, 2 Meter
IC-3SAT, 220 MHz
IC-4SAT, 440 MHz
IC-24AT, Duo Band
IC-2SRA, 2M • Wide Rx

ICOM

IC-735



100W 12 volt • 12 channel memory
General Coverage • IF Notch & QSK
CALL FOR LOW PRICE

AZ, CA, CO, GA, VA residents add sales tax
Prices, specifications, descriptions subject to
change without notice

QUEMENT ELECTRONICS

FEATURING



ICOM



ICOM
IC-W2A

CALL
FOR PRICE

FEATURING



YAESU



YAESU FT-1000D
CALL FOR PRICE

FEATURING



ALINCO
ELECTRONICS INC.



ALINCO
DJ-180T

CALL
FOR PRICE

**QUEMENT
ELECTRONICS**

1000 S. Bascom Avenue
San Jose, CA 95128

9 - 7 MON-FRI
9 - 6 SAT

PHONE

408-998-5900

YOUR ACCESSORY HEADQUARTERS

- Learning Books, Magazines and Audio Tapes
- Replacement Batteries
- Electronic Kits
- Top Brand Antennas By Hustler, Larsen and Cushcraft
- Extensive Cable and Connector Selection



Since 1933...

The Bay Area's Electronic Supermarket



Serving the Industry Since 1933

Quement Electronics
AMATEUR RADIO DEPARTMENT

BILL RAUSCH
AA6PA

Tel. (408) 998-5900
Fax (408) 292-9920

1000 So. Bascom Ave.
San Jose, CA 95128

HOW to REACT to a JAMMER

de Rich Stiebel, W6APZ

PART TWO OF A SERIES....

several possibilities. If you are using a rubber duckie, try using a gain antenna such as a half wave or 5/8 wave whip, or better yet, connect to an outside antenna. If you have an amplifier available or a high powered mobile or base rig use it to override the interference. As a last resort, you can QSY to another repeater. If only one person is having difficulty being heard, choosing a repeater that is closer to that person should make their signal stronger into the repeater.

For apparent autodial abuse, I generally first verify that an abuse is taking place by coming on the air and identifying myself with my call, followed by: "Would the station accessing the patch please identify?". Bonafide users will come back with their call. Abusers will normally not identify, but will simply try to access the patch again. Any club member can terminate the patch by using the # sign, or if the abuser is holding a carrier on the frequency, # followed immediately by a "D". In the case of abuse, the control operators may choose to temporarily disable the patch function. Sometimes a Sacramento station will be accessing their patch and we will hear the cover tones coming through our repeater. No action is necessary in this case as their access codes are different from ours.

On occasion, we hear what may sound like a jammer as defined above. The difference is that while there is an interfering carrier on the channel, it is possible to hear people talking in the background. By turning up the volume on the receiver, it is often possible to understand what is being said and maybe even recognize the voices. This type of interference is usually caused

TO BE CONTINUED....